

**Table 2. BOSC Member Areas of Expertise and Potential Disciplines with Vacancies**

<b>Scientific Discipline</b>	<b>Members with Expertise</b>
<b>Ecology/Ecosystems</b>	
Algal Physiological Ecology	Duke ( <i>term expiring</i> )
Estuarine Ecology	Duke ( <i>term expiring</i> )
Fate & Effects of Toxic Substances	Giesy ( <i>term expiring</i> )
Terrestrial Ecology	Vacant
<b>Biology</b>	
Biochemistry	Philbert, Duke ( <i>term expiring</i> ), Olden (nomination pending)
Cell Biology (cancer)	Olden (nomination pending)
Genetic Engineering	Sayler
Microbiology	Sayler
Molecular Diagnostics	Sayler
<b>Bioterrorism</b>	Haas
<b>Chemistry</b>	
Atmospheric Chemistry	Demerjian
Environmental Chemistry	Ryan
Computational Chemistry	Ryan
Neurochemistry	Philbert
Physical Chemistry	Demerjian, Ryan
<b>Climate Change</b>	Vacant
<b>Communication</b> (research results)	Zhuikov (nomination pending)
<b>Decision Science</b>	von Stackelberg
<b>Drinking Water Supply and Treatment</b>	Haas
<b>Ecosystem Services</b>	von Stackelberg
<b>Endocrine Disruptors</b>	Giesy ( <i>term expiring</i> )
<b>Engineering</b>	
Biochemical	Tharakan (nomination pending)
Bioenvironmental	Tharakan (nomination pending)
Chemical	Tharakan (nomination pending)
Civil	Haas
Environmental	Haas, Paustenbach
<b>Environmental Health</b> (integration of environmental & human health issues)	Ryan, Olden (nomination pending)

<b>Environmental Justice</b>	Olden (nomination pending), Tharakan (nomination pending)
<b>Exposure Assessment</b>	Ryan
<b>Health Effects</b>	
Genetic & Environmental Affects on HH	Olden (nomination pending)
Environmental Hazards	Falk
Toxic Substances	Falk
Pathology	
Experimental Neuropathology	Philbert
Toxicological Pathology	Philbert
<b>Informatics</b> (ecoinformatics, bioinformatics)	Vacant
<b>Occupational Health</b>	Paustenbach, Ryan
<b>Policy Analysis</b>	Duke ( <i>term expiring</i> )
<b>Program Evaluation</b>	Cozzens (nomination pending)
<b>Public Health</b>	Tharakan (nomination pending)
<b>Risk Assessment</b>	
Ecological	Duke( <i>term expiring</i> ) , Giesy ( <i>term expiring</i> ) , Paustenbach
Human Health	Haas, Paustenbach
<b>Risk Management</b>	Vacant
<b>Science Policy</b>	Vacant
<b>Socioeconomics</b>	Vacant
<b>Sustainability</b>	Vacant
<b>Toxicology</b>	
Environmental	Duke ( <i>term expiring</i> ) , Paustenbach
Developmental	Vacant
Industrial	Paustenbach
<b>Uncertrainty Analysis</b>	Demerjian, von Stackelberg
<b>Waste Treatment &amp; Management</b>	
Industrial	Haas
Hazardous	Haas, Tharakan (nomination pending)
RCRA/Superfund/Site Remediation	Tharakan (nomination pending)